NUVEEN TAX ADVANTAGED TOTAL RETURN STRATEGY FUND Form N-Q May 30, 2007

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, DC 20549 FORM N-Q

QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT INVESTMENT COMPANY

Investment Company Act file number 811-21471

Nuveen Tax-Advantaged Total Return Strategy Fund

(Exact name of registrant as specified in charter)
333 West Wacker Drive, Chicago, Illinois 60606
(Address of principal executive offices) (Zip code)

Kevin J. McCarthy Vice President and Secretary 333 West Wacker Drive, Chicago, Illinois 60606

(Name and address of agent for service)

Registrant s telephone number, including area code: 312-917-7700

Date of fiscal year end: 12/31 Date of reporting period: 3/31/2007

Form N-Q is to be used by management investment companies, other than small business investment companies registered on Form N-5 (§§ 239.24 and 274.5 of this chapter), to file reports with the Commission, not later than 60 days after the close of the first and third fiscal quarters, pursuant to rule 30b1-5 under the Investment Company Act of 1940 (17 CFR 270.30b1-5). The Commission may use the information provided on Form N-Q in its regulatory, disclosure review, inspection, and policymaking roles.

A registrant is required to disclose the information specified by Form N-Q, and the Commission will make this information public. A registrant is not required to respond to the collection of information contained in Form N-Q unless the Form displays a currently valid Office of Management and Budget (OMB) control number. Please direct comments concerning the accuracy of the information collection burden estimate and any suggestions for reducing the burden to the Secretary, Securities and Exchange Commission, 450 Fifth Street, NW, Washington, DC 20549-0609. The OMB has reviewed this collection of information under the clearance requirements of 44 U.S.C. § 3507.

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Item 1. Schedule of Investments
Portfolio of Investments (Unaudited)
Nuveen Tax-Advantaged Total Return Strategy Fund (JTA)
March 31, 2007

Shares	Description (1)	Value
	Common Stocks 101.0% (70.3% of Total Investments) Aerospace & Defense 6.0%	
94,000 235,000	Lockheed Martin Corporation Raytheon Company	\$ 9,119,880 12,328,100
	Total Aerospace & Defense	21,447,980
205,000	Capital Markets 2.8% JPMorgan Chase & Co.	9,917,900
	Commercial Banks 4.7%	
155,500 240,000	Wachovia Corporation Wells Fargo & Company	8,560,275 8,263,200
	Total Commercial Banks	16,823,475
	Commercial Services & Supplies 3.8%	
296,600	Pitney Bowes Inc.	13,462,674
	Communications Equipment 1.9%	
377,600	Motorola, Inc.	6,672,192

Containers & Packaging 2.0%

300,000	Packaging Corp. of America	7,320,000
	Diversified Financial Services 4.7%	
325,400	Citigroup Inc.	16,706,036
	Diversified Telecommunication Services 11.2%	
385,000 343,000 235,000 301,500	AT&T Inc. KT Corporation, Sponsored ADR Telecom Italia S.p.A., Sponsored ADR Verizon Communications Inc.	15,180,550 7,679,770 5,792,750 11,432,880
	Total Diversified Telecommunication Services	40,085,950
	Electric Utilities 4.2%	
160,000 323,000	EDP Energias de Portugal, S.A., Sponsored ADR Korea Electric Power Corporation, Sponsored ADR	8,587,200 6,460,000
	Total Electric Utilities	15,047,200
	Household Durables 2.7%	
307,000	Newell Rubbermaid Inc.	9,544,630
	Household Products 3.1%	
160,000	Kimberly-Clark Corporation	10,958,400
	Industrial Conglomerates 2.0%	
200,000	General Electric Company	7,072,000
	Insurance 8.1%	
289,400 187,200	Aon Corporation Hartford Financial Services Group, Inc.	10,985,624 17,892,574
	Total Insurance	28,878,198

Machinery 1.4%

75,000	Caterpillar Inc.	5,027,250
	Media 5.1%	
200,000 339,000	CBS Corporation, Class B Clear Channel Communications, Inc.	6,118,000 11,878,560
	Total Media	17,996,560
	Metals & Mining 5.5%	
236,900 90,000 21,000	Alumina Limited, Sponsored ADR POSCO, ADR Rio Tinto PLC, Sponsored ADR	5,576,626 9,355,500 4,784,010
	Total Metals & Mining	19,716,136
	Multi-Utilities 1.5%	
180,000	United Utilities PLC, Sponsored ADR	5,346,000
	Oil, Gas & Consumable Fuels 8.0%	
80,000 113,400 132,500 90,000	Chevron Corporation ConocoPhillips Eni S.p.A., Sponsored ADR Total SA, Sponsored ADR	5,916,800 7,750,890 8,589,975 6,280,200
	Total Oil, Gas & Consumable Fuels	28,537,865
	Paper & Forest Products 3.6%	
220,000 270,200	International Paper Company Stora Enso Oyj, Sponsored ADR	8,008,000 4,666,354
	Total Paper & Forest Products	12,674,354
	Pharmaceuticals 1.4%	
198,000	Pfizer Inc.	5,001,480

90,000	Union Pacific Corporation			9,139,500
	Thrifts & Mortgage Finance 7.7%			
260,000 411,000	Federal National Mortgage Association IndyMac Bancorp, Inc.			14,190,800 13,172,550
	Total Thrifts & Mortgage Finance			27,363,350
	Tobacco 7.0%			
165,900 134,900	Altria Group, Inc. Loews Corp Carolina Group			14,567,679 10,199,789
	Total Tobacco			24,767,468
	Total Common Stocks (cost \$277,180,470)		3	359,506,598
Shares	Description (1)	Coupon	Ratings (2)	Value
	\$25 Par (or similar) Preferred Securities 11.2%	(7.8% of Total Inv	restments)	
	\$25 Par (or similar) Preferred Securities 11.2% Capital Markets 0.7%	(7.8% of Total Inv	restments)	
20,000 77,700		(7.8% of Total Inv 6.200% 6.500%	A \$	521,000 2,037,294
	Capital Markets 0.7% Goldman Sachs Group Inc., (6)	6.200%	A \$,
	Capital Markets 0.7% Goldman Sachs Group Inc., (6) Lehman Brothers Holdings Inc., Series F, (6)	6.200%	A \$	2,037,294
	Capital Markets 0.7% Goldman Sachs Group Inc., (6) Lehman Brothers Holdings Inc., Series F, (6) Total Capital Markets	6.200%	A \$	2,037,294

Consumer Finance 0.5%

SLM Corporation, Series A, (6)	6.970%	BBB+	1,840,548
Diversified Financial Services 1.8%			
CIT Group Inc. Series A (6)	6.350%	RRR⊥	263,000
			-
			984,945 1,482,570
			1,303,125
-			1,689,880
-			126,600
ING Group N.V.	6.125%	Al	377,400
Total Diversified Financial Services			6,227,520
Electric Utilities 1.8%			
Alabama Power Company, Series A. (6)	5.300%	BBB+	994,850
_ ·			1,253,125
* · ·			1,072,200
- ·			938,635
			973,106
			1,050,000
TTE Electric Offices Corporation	0.25070	BBB	1,020,000
Total Electric Utilities			6,281,916
Insurance 2.2%			
Ace Ltd Series C	7 800%	Baa2	1 292 207
Ace Ltd., Series C	7.800% 6.375%	Baa2 A-	1,292,207 1,856,458
Aegon N.V., (6)	6.375%	A-	1,856,458
Aegon N.V., (6) Arch Capital Group Limited	6.375% 8.000%	A- Baa3	1,856,458 611,724
Aegon N.V., (6) Arch Capital Group Limited Endurance Specialty Holdings Limited	6.375% 8.000% 7.750%	A- Baa3 BBB-	1,856,458 611,724 1,331,500
Aegon N.V., (6) Arch Capital Group Limited Endurance Specialty Holdings Limited Prudential PLC	6.375% 8.000% 7.750% 6.750%	A- Baa3 BBB- A	1,856,458 611,724 1,331,500 772,500
Aegon N.V., (6) Arch Capital Group Limited Endurance Specialty Holdings Limited Prudential PLC Prudential PLC, (6)	6.375% 8.000% 7.750% 6.750% 6.500%	A- Baa3 BBB- A	1,856,458 611,724 1,331,500 772,500 769,500
Aegon N.V., (6) Arch Capital Group Limited Endurance Specialty Holdings Limited Prudential PLC	6.375% 8.000% 7.750% 6.750%	A- Baa3 BBB- A	1,856,458 611,724 1,331,500 772,500
Aegon N.V., (6) Arch Capital Group Limited Endurance Specialty Holdings Limited Prudential PLC Prudential PLC, (6)	6.375% 8.000% 7.750% 6.750% 6.500%	A- Baa3 BBB- A	1,856,458 611,724 1,331,500 772,500 769,500
Aegon N.V., (6) Arch Capital Group Limited Endurance Specialty Holdings Limited Prudential PLC Prudential PLC, (6) RenaissanceRe Holdings Ltd	6.375% 8.000% 7.750% 6.750% 6.500%	A- Baa3 BBB- A	1,856,458 611,724 1,331,500 772,500 769,500 1,222,500
Aegon N.V., (6) Arch Capital Group Limited Endurance Specialty Holdings Limited Prudential PLC Prudential PLC, (6) RenaissanceRe Holdings Ltd Total Insurance U.S. Agency 1.8%	6.375% 8.000% 7.750% 6.750% 6.500% 6.600%	A- Baa3 BBB- A A- BBB	1,856,458 611,724 1,331,500 772,500 769,500 1,222,500 7,856,389
Aegon N.V., (6) Arch Capital Group Limited Endurance Specialty Holdings Limited Prudential PLC Prudential PLC, (6) RenaissanceRe Holdings Ltd Total Insurance U.S. Agency 1.8% Federal Home Loan Mortgage Corporation, (6)	6.375% 8.000% 7.750% 6.750% 6.500% 6.600%	A-Baa3 BBB-A A-BBB	1,856,458 611,724 1,331,500 772,500 769,500 1,222,500 7,856,389
Aegon N.V., (6) Arch Capital Group Limited Endurance Specialty Holdings Limited Prudential PLC Prudential PLC, (6) RenaissanceRe Holdings Ltd Total Insurance U.S. Agency 1.8% Federal Home Loan Mortgage Corporation, (6) Federal Home Loan Mortgage Corporation, (6)	6.375% 8.000% 7.750% 6.750% 6.500% 6.600%	A-Baa3 BBB-A A-BBB	1,856,458 611,724 1,331,500 772,500 769,500 1,222,500 7,856,389 1,358,000 929,200
Aegon N.V., (6) Arch Capital Group Limited Endurance Specialty Holdings Limited Prudential PLC Prudential PLC, (6) RenaissanceRe Holdings Ltd Total Insurance U.S. Agency 1.8% Federal Home Loan Mortgage Corporation, (6) Federal Home Loan Mortgage Corporation, (6) Federal Home Loan Mortgage Corporation, (6)	6.375% 8.000% 7.750% 6.750% 6.500% 6.600%	A-Baa3 BBB-A A-BBB	1,856,458 611,724 1,331,500 772,500 769,500 1,222,500 7,856,389 1,358,000 929,200 1,007,700
Aegon N.V., (6) Arch Capital Group Limited Endurance Specialty Holdings Limited Prudential PLC Prudential PLC, (6) RenaissanceRe Holdings Ltd Total Insurance U.S. Agency 1.8% Federal Home Loan Mortgage Corporation, (6)	6.375% 8.000% 7.750% 6.750% 6.500% 6.600%	A-Baa3 BBB-A A-BBB AA-AA-AA-AA-AA-AA-AA-AA-AA-AA-AA-	1,856,458 611,724 1,331,500 772,500 769,500 1,222,500 7,856,389 1,358,000 929,200 1,007,700 1,249,310
Aegon N.V., (6) Arch Capital Group Limited Endurance Specialty Holdings Limited Prudential PLC Prudential PLC, (6) RenaissanceRe Holdings Ltd Total Insurance U.S. Agency 1.8% Federal Home Loan Mortgage Corporation, (6) Federal National Mortgage Association, (6)	6.375% 8.000% 7.750% 6.750% 6.500% 6.600% 6.600% 5.700% 5.000% 5.500%	A-Baa3 BBB-A A-BBB AA-AA-AA-AA-AA-AA-AA-AA-AA-AA-AA-AA-AA	1,856,458 611,724 1,331,500 772,500 769,500 1,222,500 7,856,389 1,358,000 929,200 1,007,700 1,249,310 978,000
Aegon N.V., (6) Arch Capital Group Limited Endurance Specialty Holdings Limited Prudential PLC Prudential PLC, (6) RenaissanceRe Holdings Ltd Total Insurance U.S. Agency 1.8% Federal Home Loan Mortgage Corporation, (6)	6.375% 8.000% 7.750% 6.750% 6.500% 6.600%	A-Baa3 BBB-A A-BBB AA-AA-AA-AA-AA-AA-AA-AA-AA-AA-AA-	1,856,458 611,724 1,331,500 772,500 769,500 1,222,500 7,856,389 1,358,000 929,200 1,007,700 1,249,310
	CIT Group Inc., Series A, (6) Citigroup Inc., Series F, (6) Citigroup Inc., Series H, (6) Deutsche Bank Capital Funding Trust VIII ING Group N.V. ING Group N.V. ING Group N.V. Total Diversified Financial Services Electric Utilities 1.8% Alabama Power Company, Series A, (6) Alabama Power Company Georgia Power Company Interstate Power and Light Company, (6) Mississippi Power Company PPL Electric Utilities Corporation Total Electric Utilities	CIT Group Inc., Series A, (6) 6.350% Citigroup Inc., Series F, (6) 6.365% Citigroup Inc., Series H, (6) 6.231% Deutsche Bank Capital Funding Trust VIII 6.375% ING Group N.V. 7.200% ING Group N.V. 7.050% ING Group N.V. 6.125% Total Diversified Financial Services Electric Utilities 1.8% Alabama Power Company, Series A, (6) 5.300% Alabama Power Company 5.625% Georgia Power Company 6.125% Interstate Power and Light Company, (6) 7.100% Mississippi Power Company 5.250% PPL Electric Utilities Total Electric Utilities	CIT Group Inc., Series A, (6) 6.350% BBB+ Citigroup Inc., Series F, (6) 6.365% Aa3 Citigroup Inc., Series H, (6) 6.231% Aa3 Deutsche Bank Capital Funding Trust VIII 6.375% A ING Group N.V. 7.200% A1 ING Group N.V. 7.050% A ING Group N.V. 6.125% A1 Total Diversified Financial Services Electric Utilities 1.8% Alabama Power Company, Series A, (6) 5.300% BBB+ Alabama Power Company 5.625% BBB+ Georgia Power Company 6.125% Baa1 Interstate Power and Light Company, (6) 7.100% Baa2 Mississippi Power Company 5.250% A3 PPL Electric Utilities Corporation 6.250% BBB Total Electric Utilities

Total \$25 Par (or similar) Preferred Securities (cost \$39,364,552)

39,896,583

Principa		Weighted Average			
Amour (000		Coupon	Maturity (3)	Ratings (2)	Value
	Variable Rate Senior Loan Interests 25.3% (1)	7.7% of To	tal Investment	es) (4)	
	Aerospace & Defense 1.4%				
\$ 1,31 1,59 1,60 36	K&F Industries, Inc., Term Loan C Vought Aircraft Industries, Inc., Term Loan	7.108% 7.320% 7.830% 7.822%	3/01/12 11/18/12 12/22/11 12/22/10	BB \$ Ba3 Ba2 Ba2	1,317,509 1,596,392 1,615,393 366,591
4,87	2. Total Aerospace & Defense				4,895,885
2,00	Auto Components 0.5% Federal Mogul Corporation, Term Loan A, (5)	7.570%	2/24/04	N/R	1,990,208
	Building Products 1.0%				
1,99 1,76	,	7.070% 8.320%	10/02/13 11/12/11	BB Ba3	2,003,728 1,775,740
3,76	Total Building Products				3,779,468
	Chemicals 1.6%				
1,61 1,99 1,96	Lyondell Citgo Refining LP, Term Loan	7.763% 7.110% 7.360%	10/03/13 8/16/13 7/30/12	BB BB Ba2	1,624,392 1,997,325 1,977,885
5,56	Total Chemicals				5,599,602
	Commercial Services & Supplies 1.2%				
68 1,55 1,84	Allied Waste North America, Inc., Term Loan B	7.073% 7.097% 7.475%	1/15/12 1/15/12 1/26/14	BB BB Ba3	691,779 1,558,440 1,850,010

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132	Aramark, Letter of Credit	7.445%	1/26/14	Ba3	132,214
4,217	Total Commercial Services & Supplies				4,232,443
	Containers & Packaging 1.0%				
1,990 175	Berry Plastics Holding Corporation, Term Loan Smurfit-Stone Container Corporation, Deposit-Funded Commitment	7.110% 7.475%	9/20/13 11/01/11	Ba1 Ba2	2,001,608 176,387
690	-	7.531%	11/01/11	Ba2	697,213
421	Smurfit-Stone Container Corporation, Term Loan C	7.625%	11/01/11	Ba2	425,063
132		7.625%	11/01/11	Ba2	133,392
3,408	Total Containers & Packaging				3,433,663
	Diversified Consumer Services 0.6%				
2,000	Weight Watchers International Inc., Term Loan B	6.875%	1/26/14	BB+	2,010,000
	Diversified Telecommunication Services 1.7%				
2,000 1,981 1,990	Cequel Communications LLC., Term Loan B Madison River Capital LLC, Term Loan MetroPCS Inc., Term Loan	7.610% 7.610% 7.625%	11/05/13 7/29/12 11/03/13	B+ B+ B1	2,005,556 1,986,400 2,000,917
5,971	Total Diversified Telecommunication Services				5,992,873
	Electrical Equipment 0.5%				
1,539 167	Sensus Metering Systems Inc., Term Loan B-1 Sensus Metering Systems Inc., Term Loan B-2	7.364% 7.351%	12/17/10 12/17/10	Ba3 Ba3	1,547,788 167,677
1,706	Total Electrical Equipment				1,715,465
	Energy Equipment & Services 0.0%				
82	Dresser-Rand Group, Inc., Term Loan	7.345%	10/29/07	Ba1	83,127
	Health Care Providers & Services 2.3%				
1,317 1,995	Davita Inc., Term Loan B HCA, Inc., Term Loan	6.825% 7.600%	10/05/12 11/17/13	Ba1 BB	1,322,417 2,014,327

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1,945 1,939 990	IASIS Healthcare LLC, Term Loan B LifePoint Hospitals Holdings, Inc., Term Loan B Quintiles Transnational Corporation, Term Loan B	7.570% 6.985% 7.350%	6/22/11 4/15/14 3/31/13	Ba2 BB- BB-	1,964,207 1,936,149 992,475
8,186	Total Health Care Providers & Services				8,229,575
	Hotels, Restaurants & Leisure 2.5%				
1,980 122	24 Hour Fitness Worldwide, Inc., Term Loan B CBRL Group, Inc., Delayed Draw, Term Loan B-2, (7)	7.855% 0.750%	7/01/09 4/27/12	Ba3 BB	1,993,613 25
780 1,970 994 906	CBRL Group, Inc., Term Loan B-1 Penn National Gaming, Inc., Term Loan B Pinnacle Entertainment Inc., Term Loan TDS Investor Corp., Letter of Credit	6.860% 7.114% 7.320% 7.850%	4/27/13 10/03/12 12/14/11 8/23/13	BB BB BB- Ba3	782,210 1,985,760 1,002,079 915,750
89 342 1,658	TDS Investor Corp., Term Loan Venetian Casino Resort, LLC Term Loan B Venetian Casino Resort, LLC, Term Loan	7.850% 7.090% 7.090%	8/23/13 6/15/11 6/15/11	Ba3 Ba2 Ba2	90,160 344,609 1,671,353
8,841	Total Hotels, Restaurants & Leisure				8,785,559
	Household Products 0.5%				
1,918	Solo Cup Company, Term Loan	8.820%	2/27/11	B1	1,946,738
	Insurance 0.3%				
1,177	Conseco, Inc., Term Loan	7.320%	10/10/13	BB-	1,181,767
	IT Services 0.6%				
2,058	SunGard Data Systems Inc., Term Loan B	7.360%	2/11/13	Ba3	2,077,428
	Media 4.5%				
1,985	Cablevision Systems Corporation, Incremental Term Loan	7.110%	3/29/13	ВВ	1,994,305
2,000 1,000	Charter Communications Inc., Term Loan B Charter Communications Operating, LLC, Term Loan, WI/DD	7.985% TBD	4/28/13 TBD	B1 B1	1,999,313 999,271
1,995 985	Idearc Inc., Term Loan Metro-Goldwyn-Mayer Studios, Inc., Term Loan B	7.350% 8.600%	11/17/14 6/30/12	BB+ B+	2,009,464 986,949
1,990 1,882	Neilsen Finance LLC, Term Loan B Regal Cinemas Corporation, Term Loan	7.610% 7.100%	8/09/13 10/27/13	Ba3 Ba2	2,009,175 1,890,507

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1,879 2,173	Univision Communications, Term Loan, WI/DD WMG Acquisition Corp., Term Loan	TBD 7.362%	TBD 2/28/11	Ba3 Ba2	1,880,049 2,183,573
15,889	Total Media				15,952,606
	Metals & Mining 0.7%				
1,032	Amsted Industries Incorporated, Delayed Term Loan	7.335%	4/05/11	BB-	1,034,331
1,420	Amsted Industries Incorporated, Term Loan B	7.358%	4/05/13	BB-	1,425,079
2,452	Total Metals & Mining				2,459,410
	Multi-Utilities 0.6%				
591 1,430	NRG Energy Inc., Credit-Linked Deposit NRG Energy Inc., Term Loan	7.350% 7.350%	2/01/13 2/01/13	Ba1 Ba1	595,884 1,441,459
2,021	Total Multi-Utilities				2,037,343
	Paper & Forest Products 1.1%				
3,965	Georgia-Pacific Corporation, Term Loan B	7.091%	12/20/10	Ba2	3,989,997
	Real Estate Management & Development 0.4%				
1,500	LNR Property Corporation, Term Loan B	8.110%	7/12/11	B+	1,512,054
	Semiconductors & Equipment 0.5%				
1,758	Advanced Micro Devices, Term Loan B	7.570%	12/31/13	BB-	1,770,444
	Specialty Retail 0.4%				
1,500	TRU 2005 RE Holding Co. 1, Term Loan	8.320%	12/09/08	В3	1,512,422
	Textiles, Apparel & Luxury Goods 0.5%				
1,852	HanesBrands Inc., Term Loan	7.107%	9/05/13	Ba2	1,866,139
	Trading Companies & Distributors 0.9%				
1,000		7.125%	8/31/11	BB	1,000,000

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	Ashtead Group Public Limited Company, Term				
196	Loan B Brenntag Holding GmbH and Company KG,	7.887%	1/20/14	B1	197,591
004	Acquisition Facility Term Loan	5 00 5 8	1/20/14	D.1	01 7 100
804 337	Brenntag Holdings, Term Loan B2 United Rentals Inc., Credit Linked Deposit	7.887% 5.220%	1/20/14 2/13/11	B1 Ba1	815,189 340,316
740	United Rentals Inc., Credit Linked Deposit United Rentals Inc., Term Loan B	7.320%	2/13/11	Ba1	747,677
740	United Rentals Inc., Term Loan B	7.52070	2/14/11	Dai	747,077
3,077	Total Trading Companies & Distributors				3,100,773
\$ 89,777	Total Variable Rate Senior Loan Interests (cost \$89,584,806)				90,154,989
Principal Amount					
(000)	Description (1)	Coupon	Maturity	Ratings (2)	Value
	Corporate Bonds 1.7% (1.2% of Total Investme	ents)			
	Hotels, Restaurants & Leisure 1.1%				
\$ 2,000	MGM Mirage, Inc.	6.750%	8/01/07	BB	\$ 2,012,500
2,000	Park Place Entertainment	8.875%	9/15/08	Ba1	2,090,000
4,000	Total Hotels, Restaurants & Leisure				4,102,500
	Household Durables 0.6%				
2,000	D.R. Horton, Inc.	7.500%	12/01/07	BBB-	2,025,644
\$ 6,000	Total Corporate Bonds (cost \$6,141,433)				6,128,144
Shares	Description (1)	Coupon	Maturity	Ratings (2)	Value
	Capital Preferred Securities 1.0% (0.7% of Total	al Investment	es)		
	Electric Utilities 1.0%				
12,600	Consolidated Edison Company of New York Inc.	5.000%	8/01/53	A3	\$ 1,191,330
9,000	Southern California Edison Company, Series A	5.349%	4/27/35	Baa2	895,500
10,000	Southern California Edison Company, Series C	6.000%	4/30/56	Baa2	1,035,000
5,000	Southern California Edison Company	6.125%	12/31/55	Baa2	512,344
	Total Electric Utilities				3,634,174
	Total Capital Preferred Securities (cost \$3,478,855	5)			3,634,174

Principal Amount (000)	Description (1)	Coupon Maturity	Value
	Short-Term Investments 3.4% (2.3% of Total Investments)	ments)	
\$ 11,974	Repurchase Agreement with Fixed Income Clearing Corporation, dated 3/30/07, repurchase price \$11,978,397, collateralized by \$12,370,000 U.S. Treasury Notes, 3.375%, due 12/15/08, value \$12,215,375	4.900% 4/02/07	\$ 11,973,508
	Total Short-Term Investments (cost \$11,973,508)		11,973,508
	Total Investments (cost \$427,723,624) 143.6%		511,293,996
	Borrowings Payable (9.3)% (8)		(33,000,000)
	FundNotes (21.9%)		(78,000,000)
	Other Assets Less Liabilities 0.2%		742,150
	FundPreferred Shares, at Liquidation Value (12.6)%	,	(45,000,000)
	Net Assets Applicable to Common Shares 100%		\$ 356,036,146

- (1) All percentages shown in the Portfolio of Investments are based on net assets applicable to Common shares unless otherwise noted.
- (2) Ratings: Using the higher of Standard & Poor s or Moody s rating.
 Ratings below BBB by Standard & Poor s Group or Baa by Moody s
 Investor Service, Inc. are considered to be below investment grade.
- (3) Senior Loans generally are subject to mandatory and/or optional prepayment. Because of these mandatory prepayment conditions and because there may be significant economic incentives for a Borrower to prepay, prepayments of Senior Loans may occur. As a result, the actual remaining maturity of Senior Loans held may be substantially less than the stated maturities shown.
- (4) Senior Loans in which the Fund invests generally pay interest at rates which are periodically adjusted by reference to a base short-term, floating lending rate plus an assigned fixed rate. These floating lending rates are generally (i) the lending rate referenced by the London Inter-Bank Offered Rate (LIBOR), or (ii) the prime rate offered by one or more major United States banks.

Senior Loans may be considered restricted in that the Fund ordinarily is contractually obligated to receive approval from the Agent Bank and/or Borrower prior to the disposition of a Senior Loan.

- (5) At or subsequent to March 31, 2007, this issue was under the protection of the Federal Bankruptcy Court.
- (6) Investment is eligible for the Dividends Received Deduction.
- (7) Position represents an unfunded Senior Loan commitment outstanding at March 31, 2007.
- (8) Borrowings Payable as a percentage of total investments is (6.5)%.
- N/R Not rated.
- WI/DD Purchased on a when-issued or delayed delivery basis.
 - 144A Investment is exempt from registration under Rule 144A of the Securities Act of 1933, as amended. These investments may only be resold in transactions exempt from registration which are normally those transactions with qualified institutional buyers.
 - ADR American Depositary Receipt.
 - TBD Senior Loan purchased on a when-issued or delayed-delivery basis.

 Certain details associated with this purchase are not known prior to the settlement date of the transaction. In addition, Senior Loans typically trade without accrued interest and therefore a weighted average coupon rate is not available prior to settlement. At settlement, if still unknown, the Borrower or counterparty will provide the Fund with the final weighted average coupon rate and maturity date.

Income Tax Information

The following information is presented on an income tax basis. Differences between amounts for financial statement and federal income tax purposes are primarily due to the treatment of paydown gains and losses, recognition of premium amortization and timing differences in recognizing certain gains and losses on investment transactions. At March 31, 2007, the cost of investments was \$428,118,565.

Gross unrealized appreciation and gross unrealized depreciation of investments at March 31, 2007, were as follows:

Gross unrealized:

Appreciation \$90,914,383 Depreciation (7,738,952)

Net unrealized appreciation (depreciation) of investments

\$83,175,431

Item 2. Controls and Procedures.

- a. The registrant s principal executive and principal financial officers, or persons performing similar functions, have concluded that the registrant s disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940, as amended (the 1940 Act) (17 CFR 270.30a-3(c))) are effective, as of a date within 90 days of the filing date of this report that includes the disclosure required by this paragraph, based on their evaluation of the controls and procedures required by Rule 30a-3(b) under the 1940 Act (17 CFR 270.30a-3(b)) and Rule 13a-15(b) or 15d-15(b) under the Securities Exchange Act of 1934 (17 CFR 240.13a-15(b) or 240.15d-15(b)).
- b. There were no changes in the registrant s internal control over financial reporting (as defined in Rule 30a-3(d) under the 1940 Act (17 CFR 270.30a-3(d)) that occurred during the registrant s last fiscal quarter that have materially affected, or are reasonably likely to materially affect, the registrant s internal control over financial reporting.

Item 3. Exhibits.

File as exhibits as part of this Form a separate certification for each principal executive officer and principal financial officer of the registrant as required by Rule 30a-2(a) under the 1940 Act (17 CFR 270.30a-2(a)), exactly as set forth below: EX-99 CERT Attached hereto.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized. (Registrant) Nuveen Tax-Advantaged Total Return Strategy Fund

By (Signature and Title)* /s/ Kevin J. McCarthy Kevin J. McCarthy

Vice President and Secretary

Date May 30, 2007

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

By (Signature and Title)* /s/ Gifford R. Zimmerman

Gifford R. Zimmerman

Chief Administrative Officer (principal executive

officer)

Date May 30, 2007

By (Signature and Title)* /s/ Stephen D. Foy

Stephen D. Foy

Vice President and Controller (principal financial

officer)

Date May 30, 2007

* Print the name and title of each signing officer under his or her signature.